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United States Army  
**Redstone Technical Test Center (RTTC)**



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## Ranges, Roads and Facilities

### **Test Area 5: Rocket Motor Static Test Facility, DACS Testing, Engine Test Cell, and Explosive Atmosphere**

The RTTC Static Test Facilities are located in both Test Area 5 and Test Area 4. Test Area 5 is used primarily for rocket motor static firings, hydroproof, hydroburst, load testing, rocket motor dissection, turbo shaft engine testing, liquid-fueled thruster testing, etc. Shown are Test Area 5's major test facilities.



- Army's largest static test facility
- Five static test stands (non-air breathing propulsion subsystem)
  - Up to 10-million-pounds horizontal thrust
  - Up to 500,000-pounds vertical thrust
  - Ten test positions
  - Six Degree-of-Freedom (6-DOF) test facilities
- Air-breathing propulsion subsystem test cell
- Turbo shaft engine test facility
- Explosive atmosphere

- Fully instrumented blockhouse with conference and meeting rooms
- DACS testing
- Cold gas blow-down facilities
- Environmental conditioning chambers
- Secure storage and test facilities
- Rocket motor dissection



Test Stand B

Test Stand B (B2  
active)

Test Stand C

Spartan static  
firingCentral control  
blockhouseTest Area 5 data  
acquisition room

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